METHOD, APPARATUS, AND COMPUTER PROGRAM PRODUCT FOR IMPLEMENTING PACKET ORDERING

Abstract of the Disclosure

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A method, apparatus, and computer program product are provided for implementing packet ordering in a network processor. Packets are received and placed on a receive queue and a queue entry is provided for each received packet. The queue entry includes for each autoroute packet, an autoroute indication and a selected transmit queue. An associated ordering queue is provided with the receive queue. A software-handled packet is dequeued from the receive queue and the dequeued software-handled packet is placed on the ordering queue. Each autoroute packet reaching a head of the receive queue is automatically moved to the selected ordering queue.

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